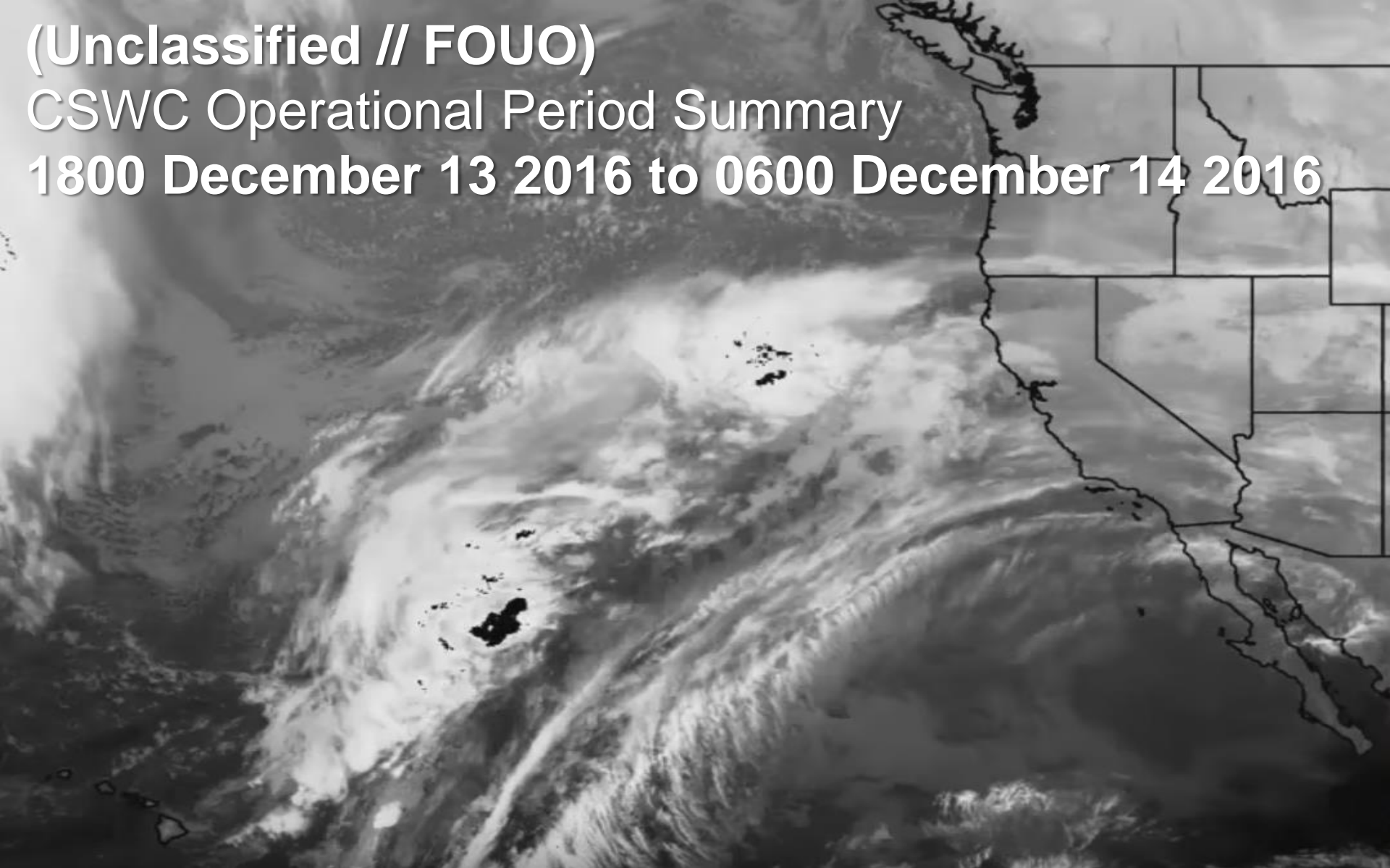


(Unclassified // FOUO)

CSWC Operational Period Summary

1800 December 13 2016 to 0600 December 14 2016



Satellite imagery of the most recent atmospheric river bringing a wet weather pattern to Northern California today and move southward throughout the week

Photo Credit: NWS Sacramento



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Duty Officer	
EDO	Mitch Medigovich
CSWC Watch Officer	Chad Stokes (Day) Grady Tunnell (Night)
STAC Duty Officer	STAC@caloes.ca.gov 916-275-4069
FDO	Art Torrez
LDO	Paul Walters
IDO	Dana Ellis
CDO	Catrina Christian
SDO	Pastor Guevara
PIO	Brad Alexander
TDO	George Lowry
IT	James Hancock
EQTP	Yvette LaDuke
Tribal Liaison POC	Denise Shemenski
Access and Functional Needs POC	Vance Taylor

National Terrorism Advisory System



Unclassified // FOUO

STAC 24 Hour Open Source Report

- Report Attached



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SITUATION SUMMARY

Cal OES Activation Status

State Operations Center	Inland Region EOC	Coastal Region EOC	Southern Region EOC
Level 1	Level 1	Level 1	Level 1

Statewide

A Flood Watch has been issued for a total of 43 counties in California. Counties are:

Alpine, Amador, Butte, Calaveras, Colusa, El Dorado, Glenn, Lake, Lassen, Trinity, Modoc, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Sierra, Solano, Stanislaus, Sutter, Tehama, Tuolumne, Yolo, Yuba, Del Norte, Humboldt, Mendocino, Siskiyou, Los Angeles, San Luis Obispo, Santa Barbara, Ventura, Monterey, San Mateo, Santa Clara, Santa Cruz, Fresno, Kern, Kings, Madera, Mariposa, Merced

Cal OES INLAND REGION

Inland Region Weather

On 12/13/16 at 0855 hours, Cal OES Inland Region advised the California State Warning Center (CSWC) that it will be monitoring impacts from storms that are expected to bring significant wind, rain, and snow this week.

- Inland Region staff will be monitoring data from the California Nevada River Forecast Center and will follow up with Operational Areas with rivers expected to reach Flood stages.
- California State Parks has notified their Public Safety Superintendents in all Districts advising them to take precautions for storm preparation, as well as staffing accordingly and advising park visitors via typical communication routes.

River Monitoring

- [See next slide for River Forecast Guidance](#)

Cal OES COASTAL REGION

River Monitoring

- [See next slide for River Forecast Guidance](#)

Cal OES SOUTHERN REGION

- [Nothing Significant to Report.](#)

RIVER FORECAST

California Nevada River Forecast Center (CNRFC)

The California Nevada River Forecast Center (CNRFC) will likely implement extended staffing hours in response to the coming storms; possibly starting continuous coverage as early as Wednesday evening and continuing into Friday.

Cal OES Coastal Region

River Forecast - The following rivers are forecast to meet or exceed Flood stage Thursday - Friday:

- Humboldt County: Eel River at Fernbridge
 - Potential Impacts: Significant flooding of the western portions of Cannibal Island Road, Camp Weott Road, the Salt and Old Rivers and all adjacent low-lying areas. Flooding in these areas is exaggerated when crest timing is coincident with high tides and strong onshore winds, and for longer duration events. A Special Action Advisory is being issued to all owners of livestock in low-lying areas of the Eel Delta. These animals are at risk due to rising river levels and appropriate action should be considered.
- Mendocino County: Navarro River at Navarro
 - Potential Impacts: Flooding of Highway 128 approximately 5 miles from Highway 1 is certain and the highway will be closed. Motorists should use alternate routes

River Forecast - The following rivers are forecast to meet or exceed monitor stage this week:

- Del Norte County: Smith River at Doctor Fine Bridge, Smith River at Jed Smith, Klamath River at Klamath
- Humboldt County: Mad River at Arcata, Van Duzen River at Bridgeville

Cal OES Inland Region

River Forecast - The following rivers are forecast to meet or exceed Flood stage Thursday - Friday:

Sacramento County:

- Sacramento River at Tehama Bridge
 - Potential Impacts: Low lying area on west side of river, south of town of Tehama floods.
- Sacramento River at Vina Woodson Bridge
 - Potential Impacts: Woodson Bridge Park is closed due to flooding. Water is up to the top steps of the recreation center at Driftwood RV Fishing Resort on the east bank of the river.
- Sacramento River at Ord Ferry
 - Potential Impacts: Woodson Bridge Park is closed due to flooding. Water is up to the top steps of the recreation center at Driftwood RV Fishing Resort on the east bank of the river.

Mariposa County:

- Yosemite at Pohono Bridge
 - Potential Impacts: Western portion of North Pines Campground, located at the east end of Yosemite Valley between the confluence of the Merced River and Tenaya Creek, begins to flood. Water rises to the base of the swinging bridge downstream from Chapel Meadow.



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RIVER FORECAST

Cal OES Inland Region Cont.

River Forecast - The following rivers are forecast to meet or exceed Monitor stage this week:

- Siskiyou County: Scott River at Fort Jones
- Tehama County: Sacramento River at Red Bluff
- Glenn County: Sacramento River at Hamilton City, Sacramento River at Butte City
- Colusa County: Sacramento River at Colusa Bridge, Sacramento River at Moulton Weir, Sacramento River at Colusa Weir
- Sutter County: Sacramento River at Tisdale Weir, Sacramento River at Fremont Weir
- Sacramento County: Cosumnes River at Michigan Bar, Cosumnes River at McConnell
- Solano County: Sacramento River at Rio Vista

Please see link for River Forecast Guidance - <http://www.cnrfc.noaa.gov/>

FIRE ACTIVITY

Cal OES Fire Preparedness Levels		
National	Northern California	Southern California
Preparedness Level 1	Preparedness Level 1	Preparedness Level 2
	Multi-Agency Coordination System MACS Mode: 2	Multi-Agency Coordination System MACS Mode: 2

- Nothing Significant to Report.

MAJOR ROAD / HIGHWAY / BRIDGE CLOSURES

Major Road Closures		
Northern California	Central California	Southern California
No Lifeline Route Closures	No Lifeline Route Closures	No Lifeline Route Closures

Lifeline Routes:

- [There are no Lifeline Route closures at this time.](#)

Non-Lifeline Routes:

Trinity County: State Route 299 4.5 miles west of Big Bar at Big French Creek is closed to one way traffic due to slide activity.

- Estimated Time of Reopening: 12/24/2016

Wildfire Closures:

- [There are no Wildfire Closures at this time.](#)

Emergency Center Activations:

- [There are no Emergency Center Activations at this time.](#)



Click on the Caltrans Logo to check
current highway conditions.
*You can also call 1-800-427-7623 for
current highway conditions.*



California 911 System

CA 911 Outages		
Northern California	Central California	Southern California
No 911 Outage	No 911 Outages	No 911 Outages

Service Interruptions:

- None reported.

Remote/Community Isolations:

- None reported.

WEATHER OF CONCERN

Weather of Concern

- Heavy precipitations is forecast to continue across Northern California through the remainder of the week with the heaviest rainfall expected today through Friday.
- Light to moderate snow will be possible over the mountains.
- Many rivers are forecast to meet or exceed monitor and flood stages with potential inundations to structures and roads located near streams
- Heavy rains throughout Southern California are expected later this week which have the potential to produce debris flows for numerous burn scars from San Luis Obispo through Los Angeles Counties
- As a result of the storms beginning to impact California, flood and flash flood watches have been issued for the North Coast interior, San Joaquin Valley, and Central and Los Angeles Coasts

Active Weather Warnings, Watches and Advisories by County:

http://www.wrh.noaa.gov/sto/brief/wwa_bc_cal.php

Two storm systems will impact California through Friday.

Storm #1 Timing: Tue afternoon 12/13 - Wed afternoon 12/14

- Location: Northern CA and northern/central Sierra
- Hazards/Impacts:
 - Heavy Rain (3-5 inches foothills/mountains, Coastal Ranges, Shasta, northern Sierra)
 - Small stream and creek flooding
 - Rivers at monitor stage
 - Slick Roads
 - Heavy Snow - above 5500 feet (4-8 inches), slick roads and low visibility
 - Slick and icy roads, low visibility, blowing snow
 - Travel and outdoor activity impacts
 - Strong Wind - gusty south winds 25-35 mph gusts 45-55 mph (higher in foothills/mountains)
 - Travel problems for high profile and small vehicles
 - Trees and power lines downed with power outages possible (Wednesday Afternoon)

WEATHER OF CONCERN

Weather of Concern

Storm #2 Timing: Thursday morning 12/15 - Friday afternoon 12/16

- Location: Northern CA, Sierra, shifting into central/southern California by Thursday night
- Hazards/Impacts:
 - Heavy Rain - (4-7 inches foothills/mountains with heaviest precipitation northern Sierra shifting into central Sierra Thursday Afternoon)
 - Small streams and creeks most susceptible to flooding in mountains and foothills
 - Some rivers in the valleys will be nearing flood stage
 - Burn Scar impacts are possible in and near recent fire areas in the Sierra and along the coasts
 - Debris flows are possible, especially if heavier rain falls in shorter period of time
 - Heavy Snow - (8-16 inches possible above 5500 ft.)
 - Slick/icy roads, low visibility
 - Blowing and drifting snow at pass level
 - Travel and outdoor activity impacts

WEATHER SYNOPSIS BY REGION

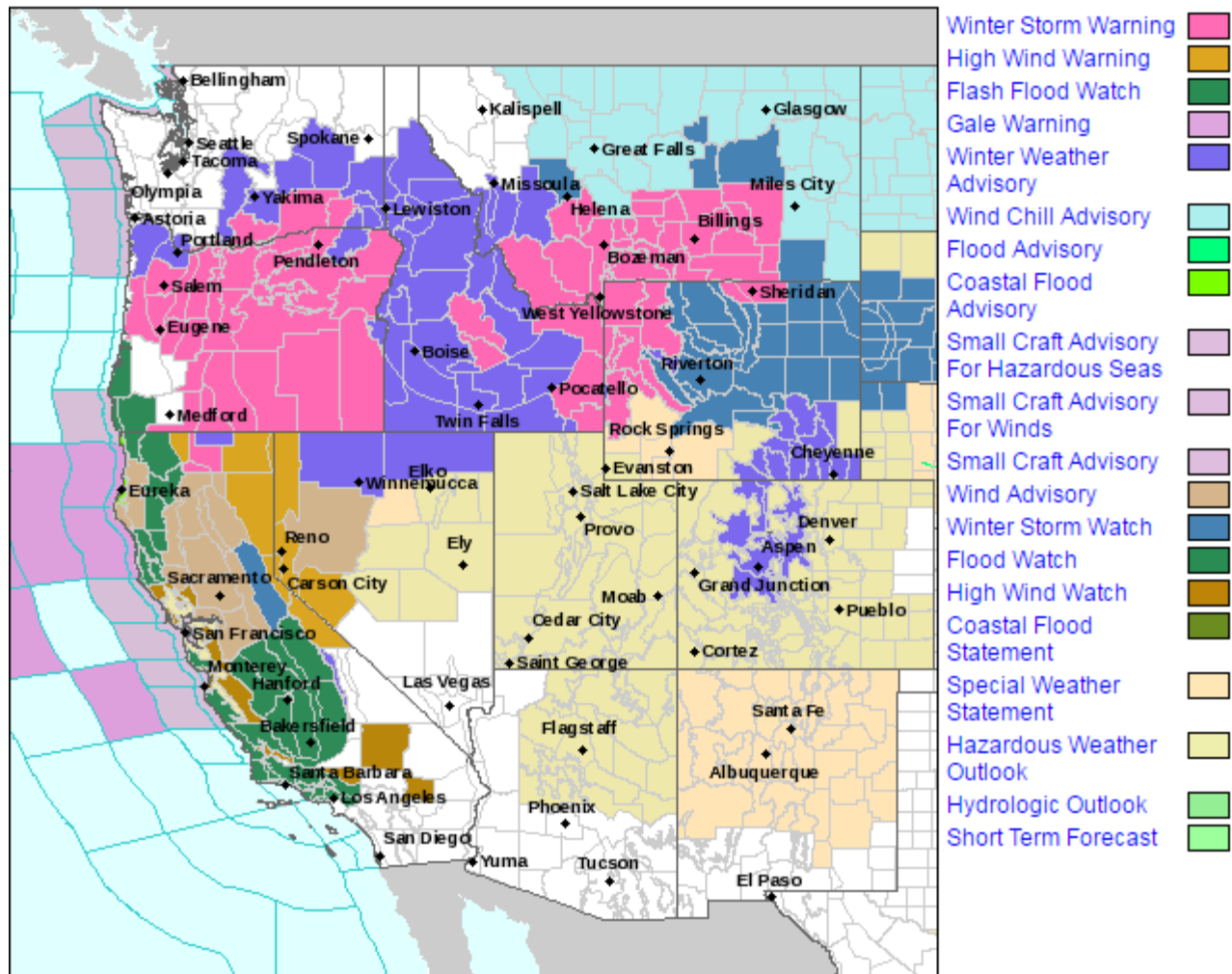
NORTHERN CALIFORNIA

Northern California will continue to experience very wet weather for a few days. Precipitation will rise to about 5500 feet in the north to 8000 feet plus in the south. Thursday, another weather system dropping south off the coast will bring more, even wetter conditions. Locally heavy precipitation is expected, and water courses will have notable runoff flows. Snow levels with this event will remain relatively high during the bulk of the precipitation, but will begin to lower significantly across the northwest areas of the region. Thursday night after the bulk of the precipitation is done. Light snow showers will be lingering down to about 3500 feet in the north and 5000 feet in the south later Thursday and Friday behind the main portion of the weather system. Strong southerly winds will develop tomorrow afternoon and continue overnight (gusts 30-45 mph in the valleys and near the coast and mountain gusts 40-60 mph except to around 75 mph at higher elevations of the Northern Sierra). The winds will be decreasing southeastward across the region Thursday starting along the far southwest coast, but the southeast quarter of the region will see the strong winds linger into the evening hours. With soils saturated now, there will be a definite possibility of trees uprooting. Saturday through early next week look drier and somewhat warmer, although overnight lows will become quite chilly under periods of clear skies. Valley fog formation will be a real possibility under those conditions as well.

SOUTHERN CALIFORNIA

A low pressure area moving southward from the Gulf of Alaska will generate significant and widespread precipitation across the state this week. Strong jet energy along with copious moisture in the atmosphere will bring locally heavy rainfall, especially along the southwest and west-facing slopes. The precipitation will start off across the northern part of the state today before a cold front sags southward, bringing rain to central California by tomorrow afternoon. The main period of precipitation across the region is expected to occur Thursday night into Friday before the rain turns to showers Friday afternoon. In all, look for a period of 10-12 hours of moderate to occasionally heavy rainfall as this front drops southward. Preliminary rainfall totals include over 4 inches of precipitation in the Sierras, 2-4" along the central coast and 1-3" across the mountains of Southern California. Snow levels look to start off around 7,000 feet, but may fall to 3,500 – 4,000 feet by Friday afternoon. Strong west winds can be expected across the Sierras during the second half of the week. The storm will be out of the area by Saturday and a moderate, cold offshore event may develop for next Sunday and Monday. Temperatures will warm up a bit through Wednesday with some 70 degree readings possible prior to the storm, but the rest of the week will be much cooler than normal. Next week looks dry and warmer at this point.

WEATHER MAP



Last map update: Dec, 14th 2016 at 6:36:24 am MST



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OF EMERGENCY SERVICES

CAL OES LAW ENFORCEMENT MISSIONS

Cal OES Law Missions

- Nothing Significant to Report

CAL OES MISSIONS

Ongoing Cal OES Missions

- **2016-Coastal-26848:** Caltrans - Hazmat Manager for DROC for the Clayton Fire in Lake County. On Scene 09/28/16 - 12/16/16. **Mission Ongoing.**
- **2016-Coastal-26842:** CDFW - Oil Spill Prevention Specialist for the Clayton Fire in Lake County. To be On Scene 10/03/16 - 12/16/16. **Mission Ongoing.**
- **2016-Coastal-26477:** Cal Recycle debris removal assistance requested for the Clayton Fire in Lake County; on scene through Mid-December. **Mission Ongoing.**
- **2016-Coastal-26412:** DTSC clean up assistance requested for the Clayton Fire in Lake County; on scene through Mid-December. **Mission Ongoing.**
- **2016-Southern-25043:** California Department of Public Health to conduct housing and food inspections for detention facilities through 12/31/16. **Mission Ongoing.**
- **2016-Southern-25037:** California Division of Drinking Water to conduct surface water inspections for 11 water systems and train new hires through 12/31/16. **Mission Ongoing.**
- **2016-SOC-24742:** Hazardous Waste Task Force to segregate, collect, and package hazardous waste at the 250+ destroyed and damaged structures in the Erskine Fire burn area. This is expected to be in place through December 2016. **Mission Ongoing.**
- **2016-IREOC-21748:** Tasking Cal Trans to extend state highway right of way to facilitate hazard tree removal. This is a long term mission and is expected to remain in place through the summer months. **Mission Ongoing.**
- **2015-IREOC-19846:** One RAWs weather station to Amador OA – On scene 11/30/15, expected to be left in place until May 2017. **Mission Ongoing.**

Cal OES 2016 DROUGHT

The SOC remains activated in support of the Drought State of Emergency and continues to monitor the situation.

Current Local Emergency Proclamations:

A total of **58** local Emergency Proclamations have been received to date from city, county, and tribal governments, as well as special districts:

- 25 Counties: Colusa, Calaveras, El Dorado, Fresno, Glenn, Inyo, Kern, Kings, Madera, Mariposa, Merced, Modoc, Plumas, San Bernardino, San Joaquin, San Luis Obispo, Santa Barbara, Shasta, Siskiyou, Stanislaus, Sutter, Trinity, Tulare, Tuolumne, and Yuba.
- 10 Cities: City of Live Oak (Sutter County), City of Lodi (San Joaquin County), City of Manteca (San Joaquin County), City of Montague (Siskiyou County), City of Porterville (Tulare County), City of Portola (Plumas County), City of Ripon (San Joaquin County), City of Rancho Cucamonga (San Bernardino County), City of West Sacramento (Yolo County), and City of Fort Bragg (Mendocino County).
- 11 Tribes: Cortina Indian Rancheria (Colusa County), Hoopa Valley Tribe (Humboldt County), Karuk Tribe (Siskiyou/Humboldt Counties), Kashia Band of Pomo Indians of the Stewarts Point Rancheria (Sonoma County), Picayune Rancheria of Chukchansi Indians (Madera County), Sherwood Valley Pomo Indian Tribe (Mendocino County), Tolowa Dee-ni' Nation (Del Norte), Tule River Indian Tribe (Tulare County), Tuolumne Band of Me-Wuk Indians (Tuolumne County), Yocha Dehe Wintun Nation (Yolo County), and Yurok Tribe (Humboldt County).
- 12 Special Districts: Carpinteria Valley Water District (Santa Barbara County), Goleta Water District (Santa Barbara County), Groveland Community Services District (Tuolumne County), Lake Don Pedro Community Services District (Mariposa Stanislaus County), Mariposa Public Utility District (Mariposa County), Meiners Oaks Water District (Ventura County), Montecito Water District (Santa Barbara County), Mountain House Community Service District (San Joaquin County), Nevada Irrigation District (Nevada County), Placer County Water Agency (Placer County), Tuolumne Utilities District (Tuolumne County), and Twain Harte Community Services District (Tuolumne County).



Mission:

We protect lives and property, build capabilities, and support our communities for a resilient California.

We achieve our mission by serving the public through effective collaboration in preparing for, protecting against, responding to, recovering from, and mitigating the impacts of all hazards and threats.